

## TECHNICAL DATA SHEET

**Product Description**

Siloxa BC-I is a one component neutral silicone sealant which cures in contact with air moisture at room temperature. This process allows it to form an elastic rubber resistant to ultraviolet rays and to weathering. It has an outstanding adhesion on many substrates and a high adaptation to movement. Easy to extrude. Non paintable. Odor free.

**Technical Data**

|                     |   |
|---------------------|---|
| <b>Composition:</b> | Silicone elastomers                                 |
| <b>Packing:</b>     | Cartridges of 280ml and Sausages of 400ml and 600ml |
| <b>Appearance:</b>  | Tixotropic paste.                                   |
| <b>Colour:</b>      | Translucent and White                               |

| <b>Properties:</b>                         | <b>Value:</b>    | <b>Unit:</b> | <b>Standard:</b> |
|--|------------------|--------------|------------------|
| <b>FRESH PRODUCT</b>                       |                  |              |                  |
| <b>Skin formation at 23°C and 50% r.h.</b> | 5 - 15           | min.         | M.I.             |
| <b>Curing rate at 23°C and 50% r. h.</b>   | 2 - 4            | mm/24h       | M.I.             |
| <b>Temperature of application</b>          | From -5 to +40   | °C           | ---              |
| <b>CURED PRODUCT</b>                       |                  |              |                  |
| <b>Movement class</b>                      | 25               | %            |                  |
| <b>Hardness</b>                            | 25 ± 3           | ShA          | DIN 53505        |
| <b>Tensile strength</b>                    | 1.2 – 1.3        | Mpa.         | DIN 53504        |
| <b>Elastic Modulus at 100%</b>             | 0.3 – 0.4        | Mpa.         | DIN 53504        |
| <b>Elongation at break</b>                 | 600 ± 100        | %            | DIN 53504        |
| <b>Service temperature range</b>           | From -50 to +150 | °C           | ---              |

**Uses and applications**

Siloxa BC-I is suitable for sealing with highest demand such as internal and external woodwork, expansion joints, perimeter joints, glazing, aluminum, wood lacquered, manufacturing processes in which a low odor is required (non irritating fumes), roofing, non-submerged canalizations, pipes, cable gland, etc. It has a very good adhesion with construction materials like Stone, Concrete, Marble, Brick, PVC , etc.

It contains fungicide which avoids blackness of the joint. Please test adhesion on unknown materials

**Instructions for use**

To obtain a perfect adhesion of the substrates, surfaces must be clean and free of dust, grease, oils, water, pollution, rust and so on. At certain times, in addition to a mechanical treatment is also recommended a cleaning process with organic solvents (alcohol or MEK) until all the polluting agents have been eliminated. In some cases, and with some materials, a priming process is also required. Do not use soaps, detergents or water.

Place the nozzle on the cartridge and cut it according to the wished width joint. Press the sealant with the application gun to cover perfectly well all the joints and try to fill all the gaps in. Spread with a round spatula. Deep joints must be filled with filling material to avoid the sealant to adhere to the bottom. Any change must be carried out before the end of the skin formation time.

## **Security and hygiene**

Avoid contact with eyes and mucous membranes and use in well ventilated places. In case of contact with eyes, rinse immediately with plenty of water and if necessary seek medical attention.

For further information, please request safety data sheet.

## **Storage**

Keep in a cool, dry, well ventilated place at a temperature between +5 to +35 °C, away from sources of heat and humidity.

Pot life: 14 months in original unopened containers.

## **Cleaning**

Cured product: by Mechanical means.

Fresh product: With organic solvents.

## **Note:**

The technical information provided by is based on our present knowledge and is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved.

The user is obliged to ensure that our products are suitable for the process and the use in question.

In any case our liability is limited to the value of goods supplied by us and used by you. We provide products with consistent quality, according to our general conditions of sale and distribution